

Table 9.14a
Unadjusted Patient Survival, Deceased Donor Liver Transplants
Survival at 3 Months, 1 Year, 5 Years, and 10 Years

	3 Months			1 Year			5 Years			10 Years		
	(Tx 2006 - 2007)			(Tx 2006 - 2007)			(Tx 2002 - 2007)			(Tx 1997 - 2007)		
	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.
Total												
All	10,551	94.3%	0.2%	10,551	88.4%	0.3%	29,604	73.8%	0.3%	48,827	60.0%	0.3%
Age at Tx												
<1 Year	210	91.9%	1.9%	210	87.1%	2.3%	639	86.6%	1.5%	1,154	80.0%	1.3%
1-5 Years	262	95.4%	1.3%	262	92.4%	1.6%	740	86.0%	1.5%	1,302	82.7%	1.2%
6-11 Years	117	95.7%	1.9%	117	94.9%	2.0%	360	87.8%	1.9%	669	83.4%	1.8%
12-17 Years	175	93.7%	1.8%	175	90.9%	2.2%	509	84.9%	1.9%	909	69.6%	2.5%
18-34 Years	530	95.3%	0.9%	530	92.3%	1.2%	1,512	77.5%	1.4%	2,678	67.4%	1.3%
35-49 Years	2,236	96.5%	0.4%	2,236	90.8%	0.6%	7,399	76.3%	0.6%	14,247	61.8%	0.6%
50-64 Years	5,935	93.8%	0.3%	5,935	87.6%	0.4%	15,597	71.9%	0.5%	23,595	56.8%	0.6%
65+ Years	1,086	92.7%	0.8%	1,086	84.3%	1.1%	2,848	64.5%	1.2%	4,273	43.3%	1.4%
Recipient Ethnicity/Race												
White	7,462	94.2%	0.3%	7,462	88.1%	0.4%	21,269	73.8%	0.4%	35,761	59.6%	0.4%
African American	1,021	94.4%	0.7%	1,021	87.7%	1.0%	2,778	68.7%	1.1%	4,425	55.1%	1.2%
Hispanic/Latino	1,437	94.9%	0.6%	1,437	89.4%	0.8%	3,860	75.9%	0.9%	6,079	63.5%	1.0%
Asian	537	94.6%	1.0%	537	91.1%	1.2%	1,445	78.1%	1.3%	2,188	68.9%	1.4%
Other/Multi-race	94	95.7%	2.1%	94	89.4%	3.2%	252	72.7%	3.6%	374	58.7%	4.8%
Recipient Gender												
Female	3,544	93.4%	0.4%	3,544	87.8%	0.5%	9,982	74.8%	0.5%	17,393	61.2%	0.5%
Male	7,007	94.8%	0.3%	7,007	88.7%	0.4%	19,622	73.3%	0.4%	31,434	59.3%	0.4%
Recipient Blood Type												
O	4,807	94.1%	0.3%	4,807	88.0%	0.5%	13,103	73.9%	0.5%	21,080	60.1%	0.5%
A	3,816	94.8%	0.4%	3,816	88.7%	0.5%	11,032	73.7%	0.5%	18,805	59.6%	0.5%
B	1,334	94.4%	0.6%	1,334	88.6%	0.9%	3,899	73.6%	0.9%	6,397	59.7%	1.0%
AB	594	93.8%	1.0%	594	89.4%	1.3%	1,570	74.3%	1.4%	2,545	63.5%	1.4%

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Total												
All	10,551	94.3%	0.2%	10,551	88.4%	0.3%	29,604	73.8%	0.3%	48,827	60.0%	0.3%
Recipient Residency												
U.S. Resident	10,475	94.3%	0.2%	10,475	88.4%	0.3%	29,332	73.7%	0.3%	48,113	59.7%	0.4%
Nonresident Alien	76	93.4%	2.8%	76	93.4%	2.8%	272	85.6%	2.3%	656	78.3%	2.1%
Unknown	0	-	-	0	-	-	0	-	-	58	60.2%	6.4%
Hospitalized at Tx												
Not Hospitalized	7,765	95.8%	0.2%	7,765	90.3%	0.3%	21,715	75.1%	0.4%	33,783	61.1%	0.4%
Hospitalized	1,567	92.9%	0.7%	1,567	85.8%	0.9%	4,337	71.5%	0.8%	7,366	57.4%	0.8%
In Intensive Care	1,219	87.0%	1.0%	1,219	79.6%	1.2%	3,552	68.8%	0.9%	7,655	56.9%	0.8%
Unknown	0	-	-	0	-	-	0	-	-	23	69.6%	9.6%
Life Support at Tx												
No	9,996	95.0%	0.2%	9,996	89.2%	0.3%	27,862	74.4%	0.3%	45,251	60.4%	0.4%
Yes	555	82.9%	1.6%	555	74.1%	1.9%	1,742	63.5%	1.3%	3,510	53.0%	1.1%
Unknown	0	-	-	0	-	-	0	-	-	66	76.8%	5.3%
Primary Diagnosis												
Non-Cholestatic Cirrhosis	6,326	94.4%	0.3%	6,326	88.0%	0.4%	18,293	72.3%	0.4%	31,074	56.6%	0.4%
Cholestatic Liver Disease/Cirrhosis	899	96.2%	0.6%	899	92.5%	0.9%	2,583	82.8%	0.9%	4,855	70.0%	1.0%
Acute Hepatic Necrosis	605	92.6%	1.1%	605	88.4%	1.3%	1,923	73.0%	1.2%	3,521	60.7%	1.2%
Biliary Atresia	283	96.1%	1.1%	283	93.3%	1.5%	893	90.4%	1.1%	1,650	85.2%	1.1%
Metabolic Diseases	320	90.6%	1.6%	320	87.8%	1.8%	935	82.5%	1.4%	1,630	73.7%	1.6%
Malignant Neoplasms	1,568	94.8%	0.6%	1,568	87.9%	0.8%	3,321	66.6%	1.2%	3,789	50.8%	2.1%
Other	550	92.4%	1.1%	550	85.8%	1.5%	1,656	74.0%	1.3%	2,308	64.4%	1.7%

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Total												
All	10,551	94.3%	0.2%	10,551	88.4%	0.3%	29,604	73.8%	0.3%	48,827	60.0%	0.3%
Waiting List Status at Tx												
1	0	-	-	0	-	-	1,195	77.0%	1.3%	3,017	64.8%	1.1%
2	0	-	-	0	-	-	0	-	-	627	57.1%	2.0%
2A	0	-	-	0	-	-	159	68.6%	3.7%	3,569	54.4%	1.0%
2B	0	-	-	0	-	-	364	73.9%	2.3%	10,198	59.4%	0.6%
3	0	-	-	0	-	-	74	81.1%	4.6%	3,574	63.1%	0.8%
MELD 6-10	329	95.4%	1.2%	329	87.8%	1.8%	1,086	67.1%	1.8%	1,086	+	+
MELD 11-14	592	95.4%	0.9%	592	90.0%	1.2%	2,087	76.0%	1.1%	2,087	+	+
MELD 15-20	2,182	96.2%	0.4%	2,182	91.6%	0.6%	5,953	77.7%	0.7%	5,953	+	+
MELD 21-30	2,397	94.3%	0.5%	2,397	88.4%	0.7%	6,105	72.3%	0.8%	6,105	+	+
MELD >30	1,338	90.0%	0.8%	1,338	80.8%	1.1%	3,490	67.8%	1.0%	3,490	+	+
PELD <11	91	98.9%	1.1%	91	97.8%	1.5%	355	93.8%	1.4%	355	+	+
PELD 11-14	23	95.7%	4.3%	23	91.3%	5.9%	103	90.8%	2.9%	103	+	+
PELD 15-20	62	98.4%	1.6%	62	98.4%	1.6%	143	86.8%	4.0%	143	+	+
PELD 21-30	62	95.2%	2.7%	62	88.7%	4.0%	162	82.5%	3.6%	162	+	+
PELD >30	36	88.9%	5.2%	36	86.1%	5.8%	72	83.3%	4.4%	72	+	+
HCC T1	10	100.0%	0.0%	10	90.0%	9.5%	356	76.6%	2.3%	356	+	+
HCC T2	1,946	95.5%	0.5%	1,946	88.8%	0.7%	4,929	68.7%	0.9%	4,929	+	+
Other Exceptions	859	95.0%	0.7%	859	90.1%	1.0%	2,226	78.0%	1.1%	2,226	+	+
Other Status	0	-	-	0	-	-	5	60.0%	21.9%	35	52.6%	8.8%
Yearly Center Volume												
0-9	158	93.0%	2.0%	158	88.0%	2.6%	506	71.8%	2.5%	1,466	64.2%	1.7%
10-19	370	93.8%	1.3%	370	89.5%	1.6%	1,532	76.4%	1.4%	2,621	62.9%	1.5%
20-34	913	95.3%	0.7%	913	89.6%	1.0%	3,184	74.7%	1.0%	6,720	60.0%	0.9%
35-56	1,687	93.5%	0.6%	1,687	87.8%	0.8%	5,371	73.8%	0.7%	9,408	58.9%	0.8%
57+	7,423	94.5%	0.3%	7,423	88.3%	0.4%	19,011	73.5%	0.4%	28,612	59.9%	0.5%

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Total												
All	10,551	94.3%	0.2%	10,551	88.4%	0.3%	29,604	73.8%	0.3%	48,827	60.0%	0.3%
Cold Ischemic Time												
0-5 Hours	3,041	96.0%	0.4%	3,041	91.3%	0.5%	7,640	77.2%	0.6%	10,946	63.6%	0.8%
6-10 Hours	5,573	94.0%	0.3%	5,573	87.6%	0.4%	15,235	74.0%	0.4%	24,902	60.4%	0.5%
11-15 Hours	865	92.3%	0.9%	865	85.2%	1.2%	2,847	69.0%	1.0%	5,586	56.5%	0.9%
16-20 Hours	78	97.4%	1.8%	78	85.9%	3.9%	262	68.4%	3.2%	576	52.5%	2.8%
21+ Hours	66	95.5%	2.6%	66	87.9%	4.0%	171	81.6%	3.4%	324	58.8%	4.1%
Unknown	928	92.5%	0.9%	928	87.0%	1.1%	3,449	69.7%	0.9%	6,493	57.3%	0.9%
Donor Age												
<1 Year	89	89.9%	3.2%	89	85.4%	3.7%	245	83.6%	2.9%	450	78.9%	2.2%
1-5 Years	204	96.6%	1.3%	204	93.6%	1.7%	632	90.1%	1.2%	1,244	85.0%	1.1%
6-11 Years	198	96.0%	1.4%	198	91.4%	2.0%	610	83.3%	1.8%	1,284	70.2%	1.8%
12-17 Years	749	96.0%	0.7%	749	92.7%	1.0%	2,289	81.5%	1.0%	4,366	66.4%	1.0%
18-34 Years	3,020	95.0%	0.4%	3,020	90.2%	0.5%	8,445	77.2%	0.6%	14,144	64.0%	0.6%
35-49 Years	2,705	94.1%	0.5%	2,705	87.6%	0.6%	7,511	73.5%	0.6%	12,320	57.2%	0.7%
50-64 Years	2,566	93.8%	0.5%	2,566	86.4%	0.7%	7,003	69.0%	0.7%	10,762	53.9%	0.8%
65+ Years	1,020	92.5%	0.8%	1,020	85.7%	1.1%	2,869	62.6%	1.2%	4,255	46.2%	1.4%
Unknown	0	-	-	0	-	-	0	-	-	2	+	+

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Transplant Center State												
Alabama	164	97.0%	1.3%	164	92.7%	2.0%	455	77.4%	2.6%	889	64.8%	2.3%
Arkansas	49	98.0%	2.0%	49	98.0%	2.0%	64	+	+	64	+	+
Arizona	170	95.9%	1.5%	170	91.8%	2.1%	416	78.7%	2.7%	587	67.4%	3.9%
California	1,232	94.8%	0.6%	1,232	88.9%	0.9%	3,495	75.0%	0.9%	6,010	62.9%	0.9%
Colorado	158	94.3%	1.8%	158	91.8%	2.2%	431	82.6%	2.4%	738	71.0%	2.6%
Connecticut	52	94.2%	3.2%	52	88.5%	4.4%	159	75.1%	4.1%	296	59.4%	4.0%
District of Columbia	103	95.1%	2.1%	103	92.2%	2.6%	276	64.9%	3.9%	382	61.4%	3.6%
Delaware	10	90.0%	9.5%	10	80.0%	12.6%	36	83.3%	7.3%	43	+	+
Florida	971	96.2%	0.6%	971	89.8%	1.0%	2,823	75.2%	1.0%	4,614	60.8%	1.2%
Georgia	242	95.5%	1.3%	242	85.1%	2.3%	593	65.4%	2.7%	943	55.0%	2.5%
Hawaii	22	90.9%	6.1%	22	77.3%	8.9%	72	73.1%	5.9%	116	62.2%	6.2%
Iowa	39	97.4%	2.5%	39	94.9%	3.5%	153	83.2%	3.6%	337	57.7%	4.3%
Illinois	391	92.1%	1.4%	391	84.4%	1.8%	1,186	69.6%	1.6%	2,011	55.9%	1.7%
Indiana	238	95.0%	1.4%	238	88.2%	2.1%	808	73.2%	1.9%	1,064	55.4%	3.2%
Kansas	113	96.5%	1.7%	113	92.0%	2.5%	230	78.9%	3.4%	387	60.5%	4.1%
Kentucky	161	94.4%	1.8%	161	86.3%	2.7%	454	73.1%	2.5%	686	59.8%	2.9%
Louisiana	226	96.9%	1.2%	226	93.8%	1.6%	781	72.2%	2.0%	1,192	56.4%	2.5%
Massachusetts	225	91.6%	1.9%	225	83.6%	2.5%	668	69.9%	2.1%	1,210	58.5%	2.0%
Maryland	156	91.7%	2.2%	156	80.8%	3.2%	400	63.1%	3.0%	663	50.9%	3.0%
Michigan	310	94.8%	1.3%	310	87.7%	1.9%	876	77.1%	1.7%	1,353	59.5%	2.3%
Minnesota	215	94.9%	1.5%	215	88.8%	2.1%	668	77.0%	1.9%	1,232	66.9%	1.9%
Missouri	262	93.5%	1.5%	262	90.5%	1.8%	656	75.3%	2.3%	1,086	63.3%	2.1%
North Carolina	215	89.8%	2.1%	215	83.3%	2.5%	629	69.9%	2.3%	1,137	58.5%	2.2%
Nebraska	162	96.3%	1.5%	162	88.3%	2.5%	427	76.0%	2.6%	816	64.9%	2.2%
New Jersey	137	97.1%	1.4%	137	92.0%	2.3%	452	74.5%	2.6%	757	63.2%	2.5%
New Mexico	0	-	-	0	-	-	0	-	-	37	67.5%	7.7%
New York	960	91.4%	0.9%	960	83.1%	1.2%	2,444	66.5%	1.2%	3,789	54.4%	1.2%
Ohio	428	94.2%	1.1%	428	89.5%	1.5%	1,102	74.2%	1.7%	1,834	58.6%	1.8%
Oklahoma	117	95.7%	1.9%	117	90.6%	2.7%	331	80.1%	2.7%	555	72.0%	3.0%
Oregon	110	99.1%	0.9%	110	94.5%	2.2%	271	83.4%	2.7%	512	61.6%	3.3%
Pennsylvania	772	94.8%	0.8%	772	88.6%	1.1%	2,427	71.0%	1.1%	4,088	57.6%	1.1%
South Carolina	116	94.0%	2.2%	116	89.7%	2.8%	277	80.9%	2.7%	526	53.1%	3.5%
Tennessee	343	94.5%	1.2%	343	90.1%	1.6%	724	74.1%	2.2%	1,141	58.8%	2.3%
Texas	928	94.3%	0.8%	928	89.4%	1.0%	2,652	75.2%	1.0%	4,157	59.5%	1.3%
Utah	107	92.5%	2.5%	107	86.0%	3.4%	296	83.5%	2.4%	469	68.6%	3.9%

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Transplant Center State												
Virginia	199	89.9%	2.1%	199	86.4%	2.4%	511	71.5%	2.6%	925	53.9%	2.5%
Washington	227	96.0%	1.3%	227	92.5%	1.7%	658	78.6%	2.0%	999	60.3%	2.9%
Wisconsin	221	95.5%	1.4%	221	91.4%	1.9%	703	81.2%	1.8%	1,182	65.4%	2.1%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(+) = Values not determined due to insufficient follow-up. (-) = Values not determined since there were no transplants in the category.

Cohorts are transplants performed during the years listed at the top of the table.

Patient survival follows patients from first transplant of this type until death. Counts for patient and graft survival are different because a patient may have more than one transplant for a type of organ.

Center volume = Center's yearly transplants performed during the base period, based on liver transplants.

Multi-organ transplants are excluded.

Medical urgency status codes have changed over time. See Technical Notes chapter for further information.